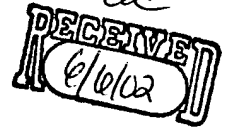


Official

#4/a
6-6-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **Onggosanusi et al.**Serial No.: **10/026,278**Filed: **December 18, 2001**Docket: **TI-32854**Examiner: **TBD**Art Unit: **2681**

For: **CLOSED LOOP MULTIPLE TRANSMIT, MULTIPLE RECEIVE ANTENNA
WIRELESS COMMUNICATION SYSTEM**

PRELIMINARY AMENDMENT

June 6, 2002

Honorable Commissioner of
Patents and Trademarks

Washington, D.C. 20231

CERTIFICATION OF FAX TRANSMITTALI hereby certify that the above correspondence is being facsimile
transmitted to the Patent and Trademark Office on June 6, 2002.

Elizabeth A. Austin

Dear Sir:

Please enter the following amendment prior to examination. A marked up copy of the
amendment is attached on a separate paper.

In the Specification:

Rewrite the paragraph at page 18, line 15 as follows.

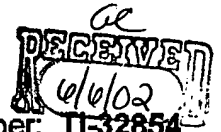
91 [0037] Figure 3 illustrates an electrical and functional block diagram of a multi-input multi-
output ("MIMO") system 70 according to one preferred embodiment. As Figure 3 represents an
electrical and functional block diagram, one skilled in the art may ascertain various technical
manners of implementing system 70 using a combination of hardware and software, including the
preferred use of a digital signal processor to include at least some of the illustrated blocks. Turning

06/07/2002 SMOORE 00000003 200668 10026278

01 FC:102 168.00 CH

02 FC:103 278.00 CH

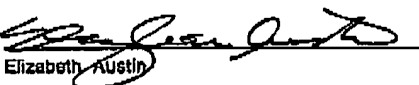
IN THE U.S. PATENT AND TRADEMARK OFFICE

In re the Application of: **Onggosanusi, Et al.**Docket Number: **TI-32854**Serial No.: **10/026,278**Art Unit: **2681**Filed: **12/18/2001**Examiner: **TBD**For: **Closed Loop Multiple Transmit, Multiple Receive Antenna
Communication System**Conf. No.: **8075****AMENDMENT TRANSMITTAL FORM**

June 6, 2002

Assistant Commissioner For Patents

Washington, D.C. 20231

<u>CERTIFICATION OF FAX TRANSMITTAL</u>	
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 Elizabeth Austin	<u>6/6/02</u> Date

Sir:


Transmitted herewith is an amendment in the above-identified application.

The fee has been calculated as shown below:

CLAIMS AS AMENDED						
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE
Total Claims	74	Minus	59	15	x \$18 =	\$ 270.00
Independent Claims	6	Minus	4	2	x \$84 =	\$ 168.00
TOTAL ADDITIONAL FEE						\$ 438.00

Charge the total additional fee, and any further fees, or credit overpayment to the deposit account of Texas Instruments Incorporated, Account No. 20-0668. An original and two copies of this sheet are enclosed.

Texas Instruments Incorporated
P. O. Box 655474, M/S 3999
Dallas, TX 75265
(972) 917-4431


Robert N. Rountree
Attorney for Applicants
Reg. No. 39,347

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Texas Instruments Incorporated
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **Onggosanusi, Et al.**

Docket Number: **TI-32854**

Serial No.: **10/026,278**

Art Unit: **2681**

Filed: **12/18/2001**


Examiner: **TBD**

For: **Closed Loop Multiple Transmit, Multiple Receive Antenna
Communication System**

Conf. No.: **8075**

CERTIFICATION OF FACSIMILE TRANSMISSION

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Elizabeth Austin

6/6/2002
Date

FACSIMILE COVER SHEET

<input checked="" type="checkbox"/> FACSIMILE COVER SHEET	<input checked="" type="checkbox"/> AMENDMENT - PRELIMINARY (8 Pages)
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<input type="checkbox"/> DECLARATION (# Pages)	<input type="checkbox"/> EOT (# Pages)
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<input type="checkbox"/> DIVISIONAL APP'N	
NAME OF INVENTOR(S): Onggosanusi, et al.	RECEIPT DATE & SERIAL NO.: 10/026,278
TITLE OF INVENTION: Closed Loop Multiple Transmit, Multiple Receive Antenna Wireless Communication System	FILING DATE: 12/18/2001
TI FILE NO.: TI- 32854 DEPOSIT ACCT. NO.: 20-0668	
DATE FAXED: June 6, 2002	
DUE:	
ATTY/SECY: Robert N. Rountree / E. Austin	

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